



MS 164036.1 (4933)  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Jhanwar et al.  
Serial No. 10/004,073  
Conf. No. 6724  
Filed October 31, 2001  
For DYNAMIC SOFTWARE UPDATE

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**Technology Center 2100**

February 15, 2002

CONSENT OF ASSIGNEE TO CORRECTION AND/OR ADDITION OF  
INVENTOR(S) AND CERTIFICATE UNDER 37 CFR 3.73(b)

TO THE COMMISSIONER FOR PATENTS AND TRADEMARKS  
SIR:

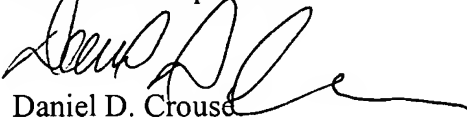
Microsoft Corporation of One Microsoft Way, Redmond, Washington 98052, a corporation in the State of Washington, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of assignments from the inventor(s) of the patent application identified above. The assignment from inventors Raj Jhanwar, Tom Yaryan, David Hennessey, and Ovidiu G. Temereanca (copy enclosed) was submitted for recordation with the Patent and Trademark Office on October 31, 2001. The assignment from inventor Seetharaman Harikrishnan (copy enclosed) is submitted for recordation in the Patent and Trademark Office concurrently herewith.

The undersigned, on behalf of the assignee of the entire interest in the above-mentioned patent application, hereby consents to the correction and/or addition of inventorship filed herewith. The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2/18/02  
Date

Microsoft Corporation

  
Daniel D. Crouse

ASSISTANT SECRETARY  
Title



MS 164036.1 (4933)  
PATENT

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Application of Jhanwar et al.  
Serial No. 10/004,073  
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STATEMENT OF SEETHARAMAN HARIKRISHNAN

1. I have made a contribution to the subject matter disclosed in the above-referenced patent application, and am therefore a co-inventor with Raj Jhanwar, Tom Yaryan, David Hennessey, and Ovidiu G. Temereanca.
2. My name was omitted from the list of joint inventors submitted with the application when it was filed on October 31, 2001. This omission was without any deceptive intent on my part.
3. I agree with the requested correction of inventorship from Raj Jhanwar, Tom Yaryan, David Hennessey, and Ovidiu G. Temereanca to Raj Jhanwar, Tom Yaryan, David Hennessey, Ovidiu G. Temereanca, and Seetharaman Harikrishnan.
4. I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing from the application.

A handwritten signature in black ink, appearing to read "S. Harikrishnan".

Seetharaman Harikrishnan

Jan 17, 2002



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*QJTB/MB*

FEBRUARY 04, 2002

PTAS

SENNIGER, POWERS, LEAVITT & ROEDEL  
JAMES J. BARTA, JR.  
ONE METROPOLITAN SQUARE  
16TH FLR.  
ST. LOUIS, MISSOURI 63102

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
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MSFT 4933 -



\*101916382A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/31/2001

REEL/FRAME: 012358/0463  
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JHANWAR, RAJ /

DOC DATE: 10/10/2001

ASSIGNOR:

YARYAN, TOM /

DOC DATE: 10/30/2001

ASSIGNOR:

HENNESSEY, DAVID /

DOC DATE: 10/31/2001

ASSIGNOR:

TEMEREANCA, OVIDIU G. /

DOC DATE: 10/30/2001

ASSIGNEE:

MICROSOFT CORPORATION /  
ONE MICROSOFT WAY  
REDMOND, WASHINGTON 98074

SERIAL NUMBER: 10004073 /

PATENT NUMBER:

FILING DATE: 10/31/2001 /

ISSUE DATE:

*Blm*

012358/0463 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

12-14-2001



HEET

101916382

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof.

10/004073  
10/31/01

## 1. Name of conveying party(ies) (assignor(s)):

Raj JHANWAR, Tom YARYAN, David HENNESSEY, and Ovidiu G. TEMEREANCA

1-31-01

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

## 2. Name and Address of Party(ies) receiving an interest (assignee(s)):

Name: Microsoft CorporationAddress: One Microsoft WayCity: Redmond State: WA Zip: 98074Country: U.S.A.Additional name(s) & address(es) attached? ☐ yes ☒ no

## 3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Change of Name☐ Verified Translation☐ Security Agreement☐ Other

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Execution Date: October 30, 2001 and October 31, 2001

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## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is: October 30, 2001 and October 31, 2001A. Patent Application No(s).B. Patent No(s).Others on additional sheet(s) attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

James J. Barta, Jr.  
Senniger, Powers, Leavitt & Roedel  
One Metropolitan Square  
16th Floor  
St. Louis, Missouri 63102  
(314) 231-5400 (telephone)6. Total number of applications and patents involved:  
Application(s) 1 + Patent(s): 0 = Total 17. Total Fee (37 CFR 3.41) ..... \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit Account Number: 19-1345

(Duplicate copy of this sheet attached)

☒ Charge any underpayment or credit any overpayment to  
above Deposit Account

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## 9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James J. Barta, Jr.

Name of Person Signing

Signature

October 31, 2001

Date

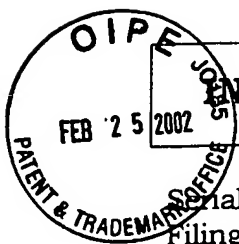
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12/10/2001 AGOITOM 00000024 10004073

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial Number ..... Not yet assigned  
Filing Date ..... October 31, 2001  
Inventorship ..... Raj Jhanwar et al.  
Applicant ..... Microsoft Corporation  
Attorney's Docket No. .... MSFT 4933 (MS#164036.1)  
Title: DYNAMIC SOFTWARE UPDATE

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT**

**Assignor(s):**

Raj Jhanwar  
8734 NE 144<sup>th</sup> Court  
Bothell, Washington 98011

Tom Yaryan  
3026 36<sup>th</sup> Avenue SW  
Seattle, Washington 98126

David Hennessey  
26810 NE 164<sup>th</sup> Street  
Duvall, Washington 98019

Ovidiu G. Temereanca  
14305 NE 7<sup>th</sup> Place, #3  
Bellevue, Washington 98007

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**Assignee:**

Microsoft Corporation  
Corporation in the State of Washington  
One Microsoft Way  
Redmond, WA 98052

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "DYNAMIC SOFTWARE UPDATE," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

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P. 06

Oct 10, 2001  
Date

Raj Jhanwar  
Raj Jhanwar



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TO 313142314342  
FAX NO. 3145881357


P.04/07

P. 07

10-30-2001  
Date

Tom Yaryan  
Tom Yaryan

10-31-01  
Date

  
David Hennessey

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P. 09

10/30/2001  
Date

O. Temereanca  
Ovidiu G. Temereanca